



▶ 扇形碾壓成型機  
*ROLLER SECTOR COMPACTOR*





土壤  
SOILS

沥青混合料  
BITUMINOUS  
MATERIALS

混凝土  
CONCRETE

20-4030

### 扇形碾压成型机 30千牛顿

用于按照欧盟标准(EN 12697/33实验室5.2部分)要求, 准备热轧沥青混合料试件。经过预热的沥青混合料由一个扇形轧轮碾压成型。碾压荷载通过一个由计算机控制的伺服马达从水平方向施加。一个频率控制马达在碾压过程中将模具左右移动。扇形轧轮和模具都配有电子加热器。当需要移出试件时, 模具的基板可以向上移动, 将试件顶出。

整个过程通过视窗软件所选定的碾压程序进行控制。用户可根据自己需要, 制作并储存自己的实验程序。机器和程序控制可以通过一体化的触屏输入/输出装置操控。

#### 技术数据:

|                     |                         |
|---------------------|-------------------------|
| 扇面压力                | 0...30 千牛顿              |
| 轧轮扇面半径              | 550 毫米                  |
| 试件规格                | 320 x 260 毫米            |
| 试件高度                | 40...120 毫米             |
| 机器规格                | 大约 1310 x 850 x 1980 毫米 |
| 重量                  | 大约 1400 公斤              |
| 400 伏特, 50 赫兹, 4 千瓦 |                         |

#### 可选择订购制作下列规格试件组件:

|      |                            |
|------|----------------------------|
| 试件规格 | 410 x 260 毫米 / 最大高度 120 毫米 |
|      | 820 x 300 毫米 / 最大高度 300 毫米 |
|      | 500 x 300 毫米 / 最大高度 300 毫米 |

20-4030

### Roller Sector Compactor 30 kN

for the preparation of hot rolled asphalt samples acc. EN 12697/33 part 5.2 in the laboratory. The preheated asphalt mix is compacted by a roller segment. Compaction load is applied horizontally using a computer controlled servomotor. A frequency controlled motor moves the mould right/left during the compaction process. The roller segment as well as the mould is equipped with an electric heating attachment. To remove the sample, the base plate of the mould can be moved in an upward position.

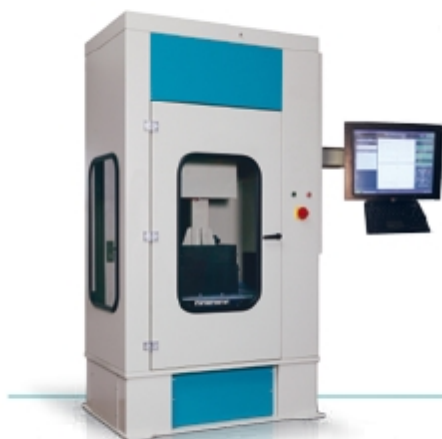
The whole process is controlled by selectable compaction programmes via Windows software. The user himself can create and memorize own test sequences. The machine and process control is effected by an integrated input/output unit with touch screen panel.

#### Specification:

|                       |                      |
|-----------------------|----------------------|
| Rolling force         | 0...30 kN            |
| Roller segment radius | 550 mm               |
| Sample dimensions     | 320 x 260 mm         |
| Sample height         | 40...120 mm          |
| Dim. appr.            | 1310 x 850 x 1980 mm |
| Weight appr.          | 1400 kg              |
| 400 V, 50 Hz, 4 kW    |                      |

#### Machines for the following sample dimensions are now available:

|                   |                                   |
|-------------------|-----------------------------------|
| Sample dimensions | 410 x 260 mm / max. height 120 mm |
|                   | 820 x 300 mm / max. height 300 mm |
|                   | 500 x 300 mm / max. height 300 mm |





混凝土  
CONCRETE

集料  
AGGREGATES

检测  
TESTING

筛分  
SIEVING

取芯  
DRILLING

实验室集装箱/设施  
LABORATORY CONTAINER/  
FACILITIES



扇形轧轮处于待机位置  
Roller Sector in waiting position



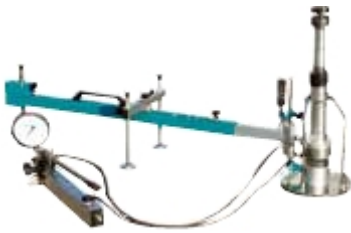
轧轮处于工作位置  
Roller Sector in working position



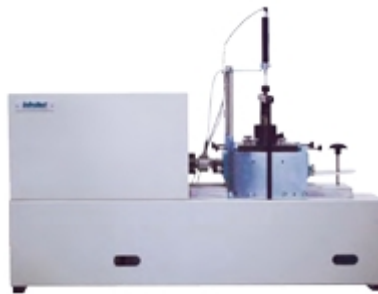
沥青混合料试件向上移动脱模  
Asphalt sample moved upward for demoulding

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